

Docket No. 213280US2/smo



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#4  
C. B. A.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: David MOTTIER  
SERIAL NO: 09/935,584  
FILED: August 24, 2001  
FOR: MULTI-USER DETECTION METHOD

GAU: 2681  
EXAMINER:

RECEIVED  
APR 02 2002  
Technology Center 2600

**INFORMATION DISCLOSURE/RELATED CASE STATEMENT UNDER 37 CFR 1.97**

ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references cited in the attached European and French Search Report listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- ☐ A check is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☒ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

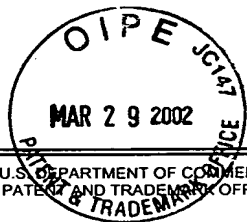
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 213280US2		SERIAL NO. 09/935,584	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT David MOTTIER			
				FILING DATE August 24, 2001		GROUP 2681	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO	0 978 951	02/09/2000	EUROPE			
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AW	Minami NAGATSUKA, et al., IEICE Transactions on Communications, XP-000555376, vol. E78-B, no. 11, pages 1489-1497, "A SPATIALLY AND TEMPORALLY OPTIMAL MULTI-USER RECEIVER USING AN ARRAY ANTENNA FOR DS/CDMA", November 1, 1995					
	AX	Babak H. KHALAJ, et al., IEEE, XP-000535015, pages 1520-1524, "SPATIO-TEMPORAL CHANNEL ESTIMATION TECHNIQUES FOR MULTIPLE ACCESS SPREAD SPECTRUM SYSTEMS WITH ANTENNA ARRAYS", June 18, 1995					
	AY	Mark C. REED, et al., IEEE Journal on Selected Areas in Communications, XP-000920304, vol. 17, no. 12, pages 2082-2089, "ITERATIVE MULTIUSER DETECTION USING ANTENNA ARRAYS AND FEC ON MULTIPATH CHANNELS", December 1999					
	AZ						
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							